

STATE BOARD OF HEALTH
INDIANAPOLIS

US EPA RECORDS CENTER REGION 5



436303

OFFICE MEMORANDUM

DATE: January 23, 1984

TO: Gary Development Landfill File
Lake County

FROM: Stuart Miller SM₂₃₋₈₄
Division of Land Pollution Control

SUBJECT: Meeting on January 5, 1984

THRU: Dan Magoun *1/23/84*

On January 5, 1984, Mr. George Oliver, Mr. Bruce Palin, Mr. Mathew Scherschel of the Attorney General's Office, and myself met with Mr. Larry Hagen and his attorney, Mr. John Kyle III, at the Indiana State Board of Health Building. The following is a list of the discussions:

1. Over the July 4th weekend, the Gary area received seven inches of rain in a two-hour period. As a result, the Grand Calumet rose above the 100-year flood stage and spilled over the road and into the Gary Development Landfill site. It is estimated by Mr. Hagen that 100 million gallons of water infiltrated his site. Also, a lot of sediment was added to the site. Mr. Hagen lost both cranes and many pumps. On July 14, Mr. Hagen went to Louisville to buy a crane. He bought one for \$137,000 and had it shipped to his site. Due to the bolts being cut on the crane, Mr. Hagen had to order new parts and the crane was finally operative by the end of August. Out-of-pocket expenses are estimated at \$300,000.
2. My inspection of August 25, 1983, documented the Gary Development Landfill to be unacceptable. The water had still not been pumped out by this date. They requested that this inspection be rescinded and not used in evaluating a renewal application.
3. My inspection of October 13, 1983, documented the Gary Development Landfill to be unacceptable. The water had still not been pumped out by this date, although progress had been made. They also requested that this inspection be rescinded and not used in evaluating a renewal application.
4. We discussed the soil borings that were required on the west wall as specified in the Consent Decree. Water is standing in this area and it is too wet to do borings. They suggested that Vulcan Materials is the cause of the water problem. They also contend that due to the manner in which the wall was constructed, the borings won't tell us anything.

5. We discussed the special waste revocations recently sent. They do not believe that there was just cause to revoke these approvals. Also, it would make Gary Land Development go bankrupt. They indicated that they needed these approvals.
6. We discussed the Gary Open Dump and what they thought could have been done in this matter. Mr. Mathew Scherschel was going to look into this to see if anything else can be done.
7. We briefly discussed the Samocki hole and they indicated that material from J & L Steel was being deposited here.
8. We also briefly discussed what needed to be done to properly close the site. We indicated that Rule 320 IAC 5 outlined requirements for closure.

SCM/tr

cc: Mr. George Oliver
Mr. Bruce Palin

LAND POLLUTION CONTROL SAMPLE SHEET

Page 1 of 1

Sample I.D. MB North Control No. 5m
Sample Location ERRY LAND DEVELOPMENT

Site Contact LARRY HICAN
Sample Date 7/21/83 1:25 a.m. P.M.
Collector(s) Berndt + Laddan
Delivered to Lab 7/21/83 2:30 a.m. P.M.

By (Signature) [Signature]

CONTAINERS	Field	Lab	Solv Rinsed
No. 1 L Plastic Bottles	<u>5</u>	<u>5</u>	
No. Glass Bottles			
No. Glass Jars			
No. Purgeable Vials			
TOTAL	<u>5</u>	<u>5</u>	

PRESERVATIVES USED	Kind	Lot No.	Amount
<u>Sample Iced</u>	* 50% H2SO4	<u>7-23-9</u>	<u>2 ml.</u>
	* HNO3	<u>5-23-21</u>	<u>5 ml.</u>
	* 50% NaOH	<u>1-23-15</u>	<u>1 ml.</u>
<u>No Preservative Used</u>	* Hg pres.	<u>6-23-2</u>	<u>20 ml.</u>

For Enforcement? Yes No

SAMPLE TYPE (Circle One)
Well Mon. Well Ash Ind. Waste Solid
Creek Leachate Soil Waste Pile Fluid
Ditch Oil Sludge Drummed Waste Misc.
Lagoon Solvent Sand Field Blank

GRAM AREA
RCRA CERCLA Solid Waste Summer Monitor

Results Requested By / /

Handling precautions? Yes No
If yes, why?

Approximate Concentration (Worst Case)
less than 10 ppm 1000ppm 5% greater than 15%

LAB INFORMATION
Lab No. T0347 Date 7/21/83 2:30 a.m. P.M.

Rec'd By [Signature]

Code to: TC TH Other

Comments:

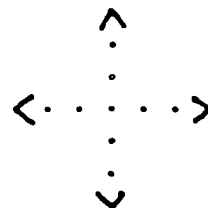
water 16'
well 233'
stickup 375"

PARAMETER	UNITS		RESULTS
Arsenic	ug/l	/	1.5
Barium	ug/l	/	160.
Cadmium	ug/l	/	<2.
Chromium-Total	ug/l	/	<10.
Lead	ug/l	/	<10.
Mercury	ug/l	/	<0.1
Selenium	ug/l	/	<0.2
Silver	ug/l	/	<10.
Nickel	ug/l	/	<10.
Iron-Total	ug/l	/	8500.
Manganese	ug/l	/	240.
Sodium	mg/l	/	190
Chlorides	mg/l	/	130.
Sulfates	mg/l	/	87.
Phenol	ug/l	/	<5.
Cyanide-Total	ug/l	/	<5.
Cyanide-Free	ug/l		
COD	mg/l		
TOC	mg/l	/	9.2
TOX	mg/l		
pH	S.U.	/	7.4
Sp. Cond.	umho/cm	/	1550.
Solids-Total	mg/l		
Solids-Dissolved	mg/l	/	850.
Flash Point	°F		
PCB	ug/l		
Volatile Orgs.			see organics page
Extractable Orgs.			see organics page

Sampling Methods: (~~grab~~ composite) Bailed, 8 gal purged

Sampling Notes: No cap → roofing tar shingle + a block of wood used as
water has a sulfide odor, west of well large area of ponded H₂S

MAP:



SAMPLE PRESERVATION

PARAMETERS	PRESERVATIVE	CONTAINER
All samples should be iced but only the water samples should be preserved.		
Metals	5 ml HNO ₃ /liter + Ice	1 L Plastic
Mercury	20 ml (2.5% K ₂ Cr ₂ O ₇ in 25% HNO ₃)/liter + Ice	1 L Plastic
Cyanide-Total, Free	1 ml 50% NaOH/liter + Ice	1 L Plastic
CO ₂ , TOC, Nitrates, Ammon., Phos., TKN	2 ml 50% H ₂ SO ₄ /liter + Ice	1 L Plastic
Phenol	2 ml 50% H ₂ SO ₄ /liter + Ice	1 L Plastic
Solids, pH, Chlorides Spec. Cond.	Ice	1 L Plastic
PCB, Extractable Organics	Ice	Solv Rinsed Quart Jar
Purgeable Organics, TOX	Ice	Purgeable Vials
Nonaqueous Samples	Ice	Glass

SAMPLE RECEIPT

Split Samples Requested: Yes ☒ No

Split Samples Accepted: Yes ☒ No

(Signature): Doreen H. Wagner

Send Results To:

Name: GARY DEVELOPMENT CO INC.

Address: 474 N. CLING AVE

P.O. BOX 6056 GARY IND.

46406

Comments: _____

LPC Rep(Signature): _____

LAND POLLUTION CONTROL SAMPLE SHEET

Page 1 of 1

Sample I.D. ME South Control No. 5m
Sample Location _____

Site Contact LARRY HAN

Sample Date 7/1/83 1:45 a.m. (p.m.)

Collector(s) BRIDAVIC + Capeland

Delivered to Lab 7/21/83 2:30 a.m. (p.m.)

By (Signature) Thomas A. Capeland

CONTAINERS	Field	Lab	Solv Rinsed
No. 1 L Plastic Bottles	<u>5</u>	<u>5</u>	
No. Glass Bottles			
No. Glass Jars			
No. Purgeable Vials			
TOTAL	<u>5</u>	<u>5</u>	

PRESERVATIVES USED

Sample Iced

No Preservative Used

Kind	Lot No.	Amount
* 50% H2SO4	<u>7-83-4</u>	<u>2 ml.</u>
* HNO3	<u>7-83-2</u>	<u>5 ml.</u>
* 50% NaOH	<u>1-83-19</u>	<u>1 ml.</u>
* Hg pres.	<u>7-83-4</u>	<u>20 ml.</u>

or Enforcement ?

Yes

No

SAMPLE TYPE (Circle One)

Well	<u>Mon. Well</u>	Ash	Indust. Waste	Solid
Creek	Leachate	Soil	Waste Pile	Fluid
Ditch	Oil	Sludge	Drummed Waste	Misc.
Lagoon	Solvent	Sand	Field Blank	

GRAM AREA

RCRA

CERCLA

Solid Waste

Summer Monitor

Results Requested By

1/1

Handling precautions?

Yes

No

If yes, why ?

Approximate Concentration (Worst Case)

less than 10 ppm 1000ppm 5 % greater than 15 %

LAB INFORMATION

Lab No. T0348 Date 7/21/83 2:30 a.m. (p.m.)

Rec'd By JB

ode to: TC TH Other _____

Comments:

water 40"

well

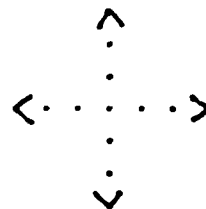
stickup 0"

Parameter	Units	Results
Arsenic	ug/l	0.7
Barium	ug/l	110.
Cadmium	ug/l	< 2.
Chromium-Total	ug/l	< 10.
Lead	ug/l	< 10.
Mercury	ug/l	< 0.1
Selenium	ug/l	0.3
Silver	ug/l	10.
Nickel	ug/l	< 10.
Iron-Total	ug/l	520.
Manganese	ug/l	390.
Sodium	mg/l	79.
Chlorides	mg/l	130.
Sulfates	mg/l	870.
Phenol	ug/l	< 5.
Cyanide-Total	ug/l	17.
Cyanide-Free	ug/l	
CO2	mg/l	
TOC	mg/l	12.5
TOX	mg/l	
pH	S.U.	7.0
Sp. Cond.	umho/cm	2150.
Solids-Total	mg/l	
Solids-Dissolved	mg/l	1700.
Flash Point	°F	
PCB	ug/l	
Volatile Orgs.		see organics page
Extractable Orgs.		see organics page

Sampling Methods: (grab composite) Bailed, 8 gal purged

Sampling Notes: No cap - 5 gal bucket used as cap

MAP:



SAMPLE PRESERVATION

PARAMETERS	PRESERVATIVE	CONTAINER
All samples should be iced but only the water samples should be preserved.		
Metals	5 ml HNO ₃ /liter + Ice	1 L Plastic
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Phenol	2 ml 50% H ₂ SO ₄ /liter + Ice	1 L Plastic
Solids, pH, Chlorides Spec. Cond.	Ice	1 L Plastic
PCB, Extractable Organics	Ice	Solv Rinsed Quart Jar
Purgeable Organics, TOX	Ice	Purgeable Vials
Poraqueous Samples	Ice	Glass

SAMPLE RECEIPT

Split Samples Requested: Yes ☒ No

Split Samples Accepted: Yes ☒ No

(Signature): James Hagen JR

Send Results To:

Name: _____

Address: _____

Comments: _____

LPC Rep(Signature): James Hagen JR